ABSTRACT OF THE DISCLOSURE

A radio-frequency identification system includes (a) responders each having a unique identification number, (b) an interrogator making an inquiry to and receiving a response from each of the responders, and (c) a host computer controlling communication made between the responders and the interrogator, and binary-searching a number space of the identification number of each of the responders for identifying a responder(s) existing in a communication area in which the responders and the interrogator can make communication with each other. The host computer has a function of acting as a discriminator for generating a control signal in accordance with first to N-th $(N \geq 2)$ communication areas in each of which the responders and the interrogator can make communication with each other, binary-searching the number space in each of the first to N-th communication areas one by one to identify a responder(s) existing therein, and inactivating the thus identified responder(s).